



ATTORNEY DOCKET NO. 14014.0266U3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
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Matsui et al.)	
)	
Serial No. 10/700,249)	Group Art Unit: Unassigned
)	
Filed: November 3, 2003)	Examiner: Unassigned
)	
For: ANTIBODIES FOR THE ALPHA)	Confirmation No. Unassigned
PLATELET-DERIVED GROWTH)	
FACTOR RECEPTOR)	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer No. 23859

February 26, 2004

Sir:

Submitted herewith is a copy of each of seven (7) PTO Forms 1449 as filed in the parent applications (Serial No. 08/439,095, filed May 11, 1995, Serial No. 08/460,656, filed June 2, 1995 and Serial No. 09/769,987, filed January 25, 2001) with the docket number, serial number and filing date of the parent application struck through and those of the present application written in. Also submitted herewith is a new PTO Form 1449 listing a document cited by the Examiner in the prosecution of parent application (Serial No. 09/769,987). Each of the references listed on the PTO 1449 forms were either submitted to or cited by the Examiner and are of record in the parent application. Thus, copies are not provided.

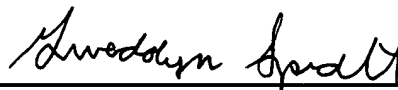
ATTORNEY DOCKET NO. 14014.0266U3
Serial No. 10/700,249

Consideration of the cited documents and making the same of record in the prosecution of the above-noted application are respectfully requested.

It is believed that this paper is being timely filed and that no fee is required for the filing thereof. However, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

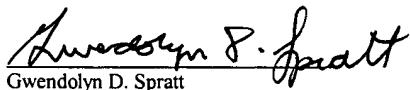
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Gwendolyn D. Spratt

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SERIAL NO. 10/70,249
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		ATTORNEY DOCKET NO.: 14014.0266U3			SERIAL NO. 10/770,249		
		APPLICANT: Matsui et al.					
		FILING DATE: November 3, 2003			GROUP: Unassigned		
U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLA SS	FILING DATE IF APPROPRIATE
	AA1	4,487,829	12/11/84	Sharp et al.			
FOREIGN PATENT DOCUMENTS							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER:		DATE CONSIDERED:					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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10/20/249
09/17/987

Form PTO-1449
U.S. DEPARTMENT OF COMMERCE (Rev. 7-80)
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 14014.0266

SERIAL NO. 08/460,656

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: Matsui et al.

4/10/3, 2003

FILING DATE: June 2, 1995

01/25/01

GROUP: 1641

unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,110,737	8/29/00	Escobedo et al.			
	AB	6,043,211	3/28/00	Williams et al.			

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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Form PTO-1449
 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80)
 PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 14014.0266U2

SERIAL NO. 09/769,987

APPLICANT: Matsui et al.

LIST OF PRIOR ART CITED BY APPLICANT
 (Use several sheets if necessary)

FILING DATE: January 25, 2001 Nov. 3, 2003

GROUP: 1641

unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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A33	Daniel et al. "Biosynthetic and Glycosylation Studies of Cell Surface Platelet-derived Growth Factor Receptors" <i>J. Biol. Chem.</i> 262(20):9778-9784 (July 15, 1987)
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A40	Daniel et al. "Purification of the platelet-derived growth factor receptor by using an anti-phosphotyrosine antibody" <i>Proc. Natl. Acad. Sci. USA</i> 82:2684-2687 (May 1985)
A41	Kimball et al. "Epidermal Growth Factor (EGF) Binding to Membranes Immobilized in Microtiter Wells and Estimation of EGF-Related Transforming Growth Factor Activity" <i>Biochemica et Biophysica Acta</i> 771:82-88 (1984)
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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE (Rev. 7-80)
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 14014.0266U2

SERIAL NO. 09/769,987

APPLICANT: Matsui et al.

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

FILING DATE: January 25, 2001 Nov 3, 2003

GROUP: 1641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,965,359	10/12/99	Matsui et al.	435	6	June 2, 1995
	A2	5,863,739	01/26/99	LaRochelle et al.	435	7.2	June 2, 1995
	A3	5,833,986	11/10/98	LaRochelle et al.	424	143.1	June 2, 1995
	A4	5,268,358	12/07/93	Fretto	514	12	May 6, 1991
	A5	5,468,468	11/21/95	LaRochelle et al.	424	1.49	June 25, 1993
	A6	4,699,880	10/13/87	Goldstein	435	172.2	Sept. 25, 1984

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	A7	WO 96/20718	11 Jul. 96	Hart et al.	A61K	31/725	
	A8	WO 94/19016	01 Sept 94	Hart et al.	A61K	39/395	
	A9	WO 93/11223	10 Jun 93	Wolf et al.	C12N	1/21	
	A10	WO 93/10805	10 Jun 93	Ramakrishnan et al.	A61K	37/00	
	A11	WO 90/10013	07 Sept 90	Matsui et al.	C07H	21/04	

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	A12	Ascoli et al. "Platelet-Derived Growth Factor Receptor Immunoreactivity in Mesothelioma and Nonneoplastic Mesothelial Cells in Serous Effusions" <i>Acta Cytologica, The Journal of Clinical Cytology and Cytopathology</i> 39(4):613-622 (July-August 1995)
	A13	Koyama et al. "Different Functions of the Platelet-Derived Growth Factor- α and - β Receptors for the Migration and Proliferation of Cultured Baboon Smooth Muscle Cells" <i>Circulation Research</i> 75(4):682-691 (October 1994)
	A14	Tiesman et al. "Identification of a Soluble Receptor for Platelet-derived Growth Factor in Cell-conditioned Medium and Human Plasma" <i>Journal of Biological Chemistry</i> 268(13):9621-9628 (May 1993)
	A15	Eccleston et al. "Expression of Platelet-Derived Growth Factor (PDGF) and PDGF α - and β -Receptors in the Peripheral Nervous System: An Analysis of Sciatic Nerve and Dorsal Root Ganglia" <i>Developmental Biology</i> 155(2):459-470 (Feb. 1993)
	A16	LaRochelle et al. "Inhibition of Platelet-derived Growth Factor Autocrine Growth Stimulation by a Monoclonal Antibody to the Human α Platelet-derived Growth Factor Receptor" <i>Cell Growth & Differentiation</i> 4:547-553 (July 1993)
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	A18	Chaudry et al. "Expression of Platelet-derived Growth Factor and Its Receptors in Neuroendocrine Tumors of the Digestive System" <i>Cancer Res.</i> 52:1006-1012 (1992)
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A20	DeFeudis "PDGF Antibody and Restenosis" <i>Drug News & Perspectives</i> 5(1):49-51 (February 1992)
A21	Ferns et al. "Inhibition of Neointimal Smooth Muscle Accumulation After Angioplasty by an Antibody to PDGF" <i>Science</i> 253: 1129-1132 (September 6, 1991)
A22	Krane et al. "Increased Dermal Expression of Platelet-Derived Growth Factor Receptors in Growth-Activated Skin Wounds and Psoriasis" <i>The Journal of Investigative Dermatology</i> 96(6): 983-986 (June 1991)
A23	Yu et al. "Structural Coincidence of α PDGFR Epitopes Binding to Platelet-Derived Growth Factor-AA and a Potent Neutralizing Monoclonal Antibody" <i>J. Biol. Chem.</i> 269(14):10668-10674 (April 8, 1994)
A24	Yu et al. "Tyrosine Mutations within the α Platelet-Derived Growth Factor Receptor Kinase Insert Domain Abrogate Receptor-Associated Phosphatidylinositol-3 Kinase Activity without Affecting Mitogenic or Chemotactic Signal Transduction" <i>Mol. And Cell. Biol.</i> 11(7): 3780-3785 (July 1991)
A25	Heidaran et al. "Role of $\alpha\beta$ Receptor Heterodimer Formation in β Platelet-derived Growth Factor (PDGF) Receptor Activation by PDGF-AB" <i>J. Biol. Chem.</i> 266(30): 20232-20237 (1991)
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A28	Majesky et al. "PDGF Ligand and Receptor Gene Expression during Repair of Arterial Injury" <i>J. Cell Biol.</i> 111:2149-2158 (1990)
A29	Hird et al. "Immunotherapy with Monoclonal Antibodies" <i>Genes and Cancer In: Immunotherapy and Monoclonal Antibodies</i> (published by J. P. Wiley & Sons Ltd.) pp 183-189 (1990)
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A32	LaRoche et al. "Immunochemical Localization of the Epitope for a Monoclonal Antibody that Neutralizes Human Platelet-Derived Growth Factor Mitogenic Activity" <i>Mol. Cell. Biol.</i> 9(8):3538-3542 (August 1989)
A33	Seifert et al. "Two Different Subunits Associate to Create Isoform-specific Platelet-derived Growth Factor Receptors" <i>J. Biol. Chem.</i> 264(15):8771-8778 (May 25, 1989)
A34	Fleming et al. "Autocrine mechanism for v- <i>sis</i> transformation requires cell surface localization of internally activated growth factor receptors" <i>Proc. Natl. Acad. Sci. USA</i> 86:8063-8067 (October 1989)
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A38	Escobedo et al. "Platelet-derived Growth Factor Receptors Expressed by cDNA Transfection Couple to a Diverse Group of Cellular Responses Associated with Cell Proliferation" <i>J. Biol. Chem.</i> 263(3):1482-1487 (1988)
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SERIAL NO. 097769,987
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A43	Kruh et al. "A Novel Human Gene Closely Related to the <i>abl</i> Proto-Oncogene" <i>Science</i> 234:1545-1548 (December 19, 1986)
A44	Morrison et al. "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains" <i>Proc. Natl. Acad. Sci. USA</i> 81: 6851-6855 (November 1984)
A45	Raines et al. "Platelet-derived Growth Factor" <i>Journal of Biological Chemistry</i> 257(9): 5154-5160 (May 10, 1982)
A46	Genzyme Diagnostics, Research Products Catalog Page 152 "Monoclonal Mouse Anti-Human PDGF R α -Subunit" and "Monoclonal Mouse Anti-Human PDGF R β -Subunit" (1997).

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: September 12, 1995

ATTY DOCKET NO.
40399/313/NIHDSERIAL NO.
08/460,656

APPLICANT

Toshimitsu MATSUI et al.

FILING DATE

June 2, 1995

GROUP

Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
327 369	08/89	EUROPE			X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

		YARDEN et al., "Structure of the Receptor For Platelet-Derived Growth Factor Helps Define A Family Of Closely Related Growth Factor Receptors", <i>Nature</i> , Vol. 323:226-32, (1986)

EXAMINER

DATE CONSIDERED

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Sheet of

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 25, 1996

ATTY DOCKET NO. -
40399/119

SERIAL NO.
08/439,095

10/700,249
09/769,987

APPLICANT
MATSUI *et al.*

FILING DATE
May 11, 1995

GROUP
1807

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,219,727	06/15/93	Wang <i>et al.</i>	435	6	9/28/89
	A2	5,100,774	03/31/92	Rakowicz-Szulczynska	435	6	4/22/88
	A3	5,094,941	03/10/92	Hart	435	7.9	12/31/87

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	B1	Claesson-Welsh <i>et al.</i>	Identification and Structural Analysis of the A Type Receptor for Platelet-derived Growth Factor, <i>J. Biol. Chem.</i> , 264: 1742-1747 (1989).
	B2	Nister <i>et al.</i>	"Expression of Messenger RNAs for Platelet-derived Growth Factor and Transforming Growth Factor- α and Their Receptors in Human Malignant Glioma Cell Lines," <i>Can. Res.</i> , 48: 3910-3918 (1988)
	B3	Ronnstrand <i>et al.</i>	Characterization of Two Monoclonal Antibodies Reactive with the External Domain of the Platelet-derived Growth Factor Receptor, <i>J. Biol. Chem.</i> , Vol. 263 (1988)
	B4	Escobedo <i>et al.</i>	A Common PDGF Receptor Is Activated by Homodimeric A and B Forms of PDGF, <i>Science</i> , Vol. 240 (1988)
	B5	Claesson-Welsh <i>et al.</i>	cDNA Cloning and Expression of a Human Platelet-Derived Growth Factor (PDGF) Receptor Specific for B-Chain-Containing PDGF Molecules, <i>Molecular and Cellular Biology</i> , Vol. 8, No. 8 (1988)
	B6	Johnson <i>et al.</i>	Platelet-Derived Growth Factor: Identification of Constituent Polypeptide Chains, <i>Biochemical and Biophysical Research Communications</i> , Vol. 104, No. 1 (1982)
	B7	Heldin <i>et al.</i>	Binding of different dimeric forms of PDGF to human fibroblasts: evidence for two separate receptor types, <i>EMBO Journal</i> , Vol. 7, No. 5, (1988)
	B8	Gronwald <i>et al.</i>	Cloning and expression of a cDNA coding for the human platelet-derived growth factor receptor: Evidence for more than one receptor class, <i>Proc. Nat'l. Acad. Sci.</i> , Vol. 85 (1988)
	B9	Hart <i>et al.</i>	Synthesis, Phosphorylation, and Degradation of Multiple Forms of the Platelet-derived Growth Factor Receptor Studied Using a Monoclonal Antibody, <i>Journal of Biol. Chem.</i> , Vol. 262, No. 22, (1987)

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FORM PTO 1449 (modified)

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Date Submitted to PTO: December 8, 1995

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MATSUI *et al.*FILING DATE
June 2, 1995GROUP
1807

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B1	4,786,073	Aug. 23, 1988	Murray <i>et al.</i>			
	B2	5,371,205	Dec. 6, 1994	Kelly <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	B3		Betsholtz <i>et al.</i> , "Coexpression of a PDGF-Like Growth Factor and PDGF Receptors in a Human Osteosarcoma Cell Line: Implications for Autocrine Activation" <i>Cell</i> , 39: 447-457 (1984)
	B4		Matsui <i>et al.</i> , "Isolation of A Novel Receptor cDNA Establishes the Existence of Two PDGF Receptor Genes" <i>Science</i> , 243: 800-804, (1989)
	B5		Miki <i>et al.</i> , "An Efficient Directional Cloning System to Construct cDNA Libraries Containing Full-Length Inserts at High Frequency" <i>Gene</i> , 83(1) : 137-146 (1989)
	B6		Giese <i>et al.</i> , "The Role of Individual Cysteine Residues in the Structure and Function of the <i>v-esis</i> Gene Product, <i>Science</i> , 236: 1315-1318 (1987)
	B7		Claesson-Welsh <i>et al.</i> , "cDNA Cloning and Expression of a Human Platelet-Derived Growth Factor (PDGF) Receptor Specific for β -type Chain PDGF Molecules, a <i>Mol. Cell, Biol.</i> 8(8): 3476-3486 (1988)
	B8		Hart <i>et al.</i> , "Two Classes of PDGF Receptor Recognize Different Isoforms of PDGF" <i>Science</i> , 240: 1529-1531 (1988)

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U.S. PATENT DOCUMENTS

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

B9	Kruh <i>et al.</i> , "A Novel Gene Closely Related to the <i>abl</i> proto-Oncogene", <i>Science</i> , 234: 1545-1548 (1986)
B10	King <i>et al.</i> , "Amplification of A Novel <i>v-erbB</i> -Related Gene in a Human Mammary Carcinoma", <i>Science</i> , 229: 974-976 (1985)
B11	Claesson-Welsh <i>et al.</i> , "cDNA Cloning and Expression of a Human A-Type Platelet-Derived Growth Factor (PDGF) Receptor Establishes Structural Similarity to the B-Type PDGF Receptor," <i>PNAS</i> , (USA), 86(13): 4917-4921 (1988)
B12	Heldin <i>et al.</i> , "Binding of Different Forms of PDGF Receptors To Human Fibroblasts; Evidence for Two Receptor Types," <i>EMBO</i> , 7(5): 1387-1393 (1988)

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FORM PTO 1449 (modified)

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Toshimitsu MATSUI *et al.*FILING DATE
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C1	5,094,941	03/10/92	Hart			
	C2	5,100,774	03/31/92	Rakowicz-Szulczynska			
	C3	5,219,727	06/15/93	Wang <i>et al.</i>			
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	C4	Hart <i>et al.</i>	"Synthesis, Phosphorylation, and Degradation of Multiple Forms of the Platelet-derived Growth Factor Receptor Studied Using a Monoclonal Antibody," <i>J. Biol. Chem.</i> 262(22): 10780-10785 (1987).
	C5	Kawahara <i>et al.</i>	"Monoclonal Antibody C3.1 is a Platelet Derived Growth Factor (PDGF) Antagonist," <i>Biochem. Biophys. Res. Comm.</i> , 147(2): 839-845 (1987).
	C6	Claesson-Welsh <i>et al.</i>	cDNA Cloning and Expression of the Human A-type Platelet-Derived Growth Factor-(PDGF) Receptor Establishes Structural Similarity to the B-type PDGF Receptor, <i>Proc. Natl. Acad. Sci. USA</i> , 86: 4917-4921 (1987).
	C7	Nister <i>et al.</i>	"Expression of Messenger RNAs for Platelet-derived Growth Factor and Transforming Growth Factor- α and Their Receptors in Human Malignant Glioma Cell Lines," <i>Can. Res.</i> , 48: 3910-3918 (1988)
	C8	Escobedo <i>et al.</i>	"A common PDGF Receptor is Activated by Homodimeric A and B Forms of PDGF, <i>Science</i> , 240: 1532-1534
	C9	Johnsson	"Platelet-Derived Growth Factor: Identification of Constituent Polypeptide Chains, <i>Biochem. Biophys. Res. Comm.</i> , 104(1): 66-74 (1982)
	C10	Gronwald <i>et al.</i>	"Cloning and Expression of a cDNA Coding for the Human Platelet-Derived Growth Factor Receptor: Evidence For More Than One Receptor Class, <i>Proc. Natl. Acad. Sci. USA</i> , 85: 3435-3439 (1988)

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